



SOLAR|21 NEWS

Q3 2017

BIOMASS
GRAND OPENING
THIS AUTUMN

SOLAR 21 PARK
MAYO FOOTBALL LEAGUE'S
NEWEST SPONSOR

WELCOME

TO SOLAR 21'S NEWSLETTER



MICHAEL BRADLEY, CEO.

Welcome to Solar 21's quarterly newsletter.

"Our aim is to keep you up to date on our existing solar portfolio and recent successes in other areas of renewable energy as well as providing insights on our culture, our people and the industry in general.

We have come a long way since the acquisition of our first solar farm in 2010 to the completion of a large biomass plant development this year. I am very proud of the team we have in place and the strong relationships we have maintained with investors and business partners over the years. As the renewable energy industry continues to evolve, Solar 21 is extremely well positioned to continue to deliver excellent returns to investors."

A handwritten signature in black ink, reading "Michael Bradley".

SUMMARY

2 SOLAR PORTFOLIO
CONTINUES TO SHINE

3 TANSTERNE BIOMASS
PLANT AUTUMN
OPENING

3 FIRST BIOGAS PROJECT
LAUNCH

4 GIVING BACK

4 OUR TEAM -
SILVIA RAINERI

SOLAR

OUR EXISTING SOLAR PORT- FOLIO CONTINUES TO SHINE

Solar is of course where it all started, back in 2010, when we first saw the opportunities that solar energy offered in terms of a steady return for investors.

Our solar portfolio continues to perform. Last year we began a programme of inverter revamping and the productivity results were so good that we continued this year.

The inverter is a crucial part of solar energy generation because it converts the current output of a PV solar panel into the specific type of current necessary for injecting into the electrical grid.

Six or seven years old on average, the inverters had begun to perform below their optimum. The great news is that the average improvement in productivity due to the inverter revamp has been 10%, far in

excess of the 3% improvement we had expected.

Inverter revamping is just one aspect of the careful asset management regime we operate with regard to our Italian solar parks. You can read more about how we optimise output of each plant in the blog written by Silvia Raineri, our Energy Engineer, featured on our website.



**We feature
Silvia in "Our
Team" on
page 4.**

TANSTERNE

BIOMASS PLANT TO BE OFFICIALLY OPENED THIS AUTUMN

Work continues at a rapid pace on the 22MW biomass plant in the tiny village of Tansterne near Hull.

Though the plant exported power to the grid in March, full commissioning will occur in the autumn. We plan to mark the event with an official ceremony. Watch this space!

With the support of the top contractors in renewable energy plant development CF Struthers and HRS, the plant was built in 15 months.

The excellence and technical innovation of the team was recognised in March when the project was named Best Renewable Energy Project or Installation at the Humber Renewable Awards. Given that

Humberside is the renewables capital of Britain, these are prestigious awards, and we were honoured to have won this category.

When fully commissioned, the plant will produce enough electricity from waste wood to power 16,000 homes. The savings in terms of CO₂ going into the atmosphere will be in the region of 162,000 tonnes per year, the equivalent of 375,064 barrels of oil not being consumed.

The award-winning Tansterne Biomass plant.



BIOGAS

SOLAR 21 LAUNCHES FIRST BIOGAS PROJECT

We are excited to be developing the first in a series of biogas plants in the UK.

When completed, the plant in Yorkshire will produce 5.4 million cubic metres of biomethane gas, enough for 3,700 homes. The energy, which will be produced by anaerobic digestion, will qualify for the UK government's non-domestic Renewable Heat Incentive which will be paid on every unit of biomethane, heat and electricity produced by the plant for the next 20 years.

What is anaerobic digestion?

Anaerobic digestion is a 100% natural process that breaks down organic material into its constituent components. One of these is biogas, which, when burned in a combined heat and power plant, releases heat and power which can be fed into the national grid.

Biogas can be upgraded to biomethane on site and fed into the natural gas grid.

The feedstock in this plant will be supplied primarily by potato processing plants in the immediate area.

With the help of our distribution partners Wealth Options, we have just completed the fundraise for this project. **We have a number of similar projects in the pipeline.**

A food waste processing plant near Leeds, similar to the plant Solar 21 is developing.



GIVING BACK

SOLAR 21 PARK

Solar 21 is thrilled that the Mayo Football League has named its headquarters in Castlebar, Co Mayo, Solar 21 Park. This is the result of a three-year sponsorship arrangement announced in January Solar 21 Park is an official FAI international venue having recently hosted the UEFA Under 16 Development Tournament, which saw teams from the Republic of Ireland, Northern Ireland, Denmark, Lithuania and Kosovo play in the grounds.

Referring to Solar 21's CEO Michael Bradley, who comes from Dooagh on Achill island, Padraig McHale, Chairperson of the Mayo Football League, said "It makes it all the more special that this fantastic Irish company with interests in the UK and continental Europe is firmly rooted in County Mayo and that they share our vision of providing the very best opportunities for our young people."



HULL RUFC

Over the water, Solar 21 was keen to give something back to the area in which the Tansterne biomass plant is located. We have chosen to partner with Hull Rugby Union Football Club. Our sponsorship is part of the club's 25th anniversary season.



PORTMARNOCK AFC

Since 2014, Solar 21 has sponsored the kit of the senior team at Portmarnock AFC, a completely amateur soccer club. The senior team has achieved three consecutive promotions and is now in the top division of the Leinster Senior League.

They have qualified at national level to compete in this year's FAI Senior Cup in which League of Ireland and non-League teams play. Portmarnock AFC faced League of Ireland giants, St Patrick's Athletic, at its homeground Paddy's Hill on 13th August. This was a huge occasion for everyone at the club and we wish the team and manager the best of luck for the rest of the season.

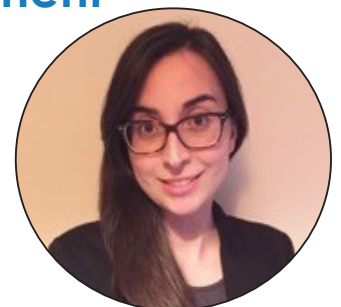


Portmarnock AFC goalkeeper Brian Kane and Manager Willie O'Leary.

OUR TEAM

SILVIA RAINERI

Energy Engineer and Asset Management Specialist



Silvia, who is from Lovere, just north of Milan, looks after the asset management of the solar parks in our solar portfolio.

On a day-to-day basis this involves monitoring and analysing production data from the farms, which are all over Italy, and managing our O&M (operations and maintenance) partners on the ground. She oversaw the recent revamping of inverters across all of our Italian solar parks, which resulted in an increase in productivity of 10%.

Silvia has been busy this year studying for a master's in Energy Management at DIT to add to her degree in Energy Engineering from the University of Padua. She can see the light at the end of the tunnel, however, as she has passed all her exams with flying colours and is working on her dissertation.